Certificate of Conformity

Certification Body:

global-mark

Global-Mark Pty Ltd,
Suite 4.07
32 Delhi Road
North Ryde NSW 2113
Australia
Tel: +61 2 9886 0222
www.Global-Mark.com.au

Certificate Holder:
Velux Australia Pty Ltd
78 Henderson Road
Alexandria NSW 2015
Australia
Tel: 1300 859 856
www.velux.com.au

Certificate number: 30090 Rev1

THIS TO CERTIFY THAT

Velux Skylights FS, VS, VSE & VSS with EDW Flashing Kits plus Skylights FCM, VCM, VCE & VCS with custom Flashing

Type and/or use of product:

Velux Skylights (incorporating EDW Flashing kits or custom flashing) are used to bring natural light and air into attics or loft rooms where ventilation is required.

Velux Skylights (incorporating EDW Flashing kits or custom flashing) are designed for use with all building types, subject to limitations detailed within this certificate and the technical literature.

Description of product:

Velux FS & FCM are fixed / non-openable skylights for daylighting purposes only.

Velux VS, VSE & VSS are top hung, openable skylights for daylighting & ventilation purposes.

Velux VCM, VCE & VCS are top hung, openable skylights for daylighting & ventilation purposes in low-pitch applications.

Velux EDW Flashing kits integrate with FS, VS, VSE & VSS Skylights for weather proofing, custom flashing is required for FCM, VCM, VCE & VCS Skylights.

COMPLIES WITH THE FOLLOWING BCA PROVISIONS AND STATE OR TERRITORY VARIATION(S) — **BCA 2016**

	Volume One – Amendment One		Volume Two	
Performance Requirement(s)	**FP1.4**	Health & Amenity - Weatherproofing	**P2.2.2**	Weatherproofing
	CP2	Protection from Spread of Fire	**P2.3.1**	Protection from Spread of Fire
Deemed-to-Satisfy Provision(s):	**B1.4 (h) (ii)**	Structure	**3.6.0 (b)**	Structure – Glazing
			3.11.6 (i)(ii)	Structural Design Manuals
	Specification B1.2	Structure – Buildings in Cyclonic Areas	**3.10.1.0 (b)**	Northern Territory DtC Manual (FCM skylight only)

Scope of certification: The CodeMark Scheme is a building product certification scheme. The rules of the Scheme are available at the ABCB website www.abcb.gov.au. This Certificate of Conformity is to confirm that the relevant requirements of the Building Code of Australia (BCA) as claimed against have been met. The responsibility for the product performance and its fitness for the intended use remain with the certificate holder. The certification is not transferrable to a manufacturer not listed on Appendix A of this certificate.

Disclaimer: The Scheme Owner, Scheme Administrator and Scheme Accreditation Body do not make any representations, warranties or guarantees, and accept no legal liability whatsoever arising from or connected to, the accuracy, reliability, currency or completeness of any material contained within this certificate; and the Scheme Owner, Scheme Administrator and Scheme Accreditation Body disclaim to the extent permitted by law, all liability (including negligence) for claims of losses, expenses, damages and costs arising as a result of the use of the product(s) referred to in this certificate.

The purpose of Global-Mark **construction site audits** is to confirm the practicability of installing the product; and to confirm the appropriateness and accuracy of installation instructions

In placing **the CodeMark mark** on the product/system, the certificate holder makes a declaration of compliance with the certification standard(s) and confirms that the product is identical to the product certified herein. In issuing this Certificate of Approval Global-Mark has relied on the **expertise of external bodies** (laboratories, and technical experts).

Herve Michoux
Global-Mark Managing Director

Peter Gardner
Unrestricted Building Certifier

Date of issue: 30/07/2018

Date of expiry: 30/07/2021

ABCB JAS-ANZ

			3.10.1.0 (e)(ii) & (f)	Structure – Gazing in high wind areas
	D2.24	Access & Egress – Protection of openable windows	**3.9.2.5**	Protection of openable windows
	F4.2	Health & Amenity – Natural Light	**3.8.4.2**	Natural Light
	F4.3	Health & Amenity – Natural Light borrowed from adjoining room		
	F4.6	Health & Amenity – Ventilation	**3.8.5.2**	Ventilation
	F4.7	Health & Amenity – Ventilation borrowed from adjoining room		
	G5.2	Construction in Bushfire Prone Areas	**3.7.4.0**	Bushfire Areas
	J1.4	Energy Efficiency – Building Fabric	**3.12.1.3**	Energy Efficiency – Building Fabric
	J3.3	Energy Efficiency – Building Sealing	**3.12.3.2**	Energy Efficiency – Building Sealing
State or territory variation(s):	**NT Spec B1.2**	NT Addition to Spec B1.2 for use in Cyclonic areas		
	VIC F4.2 (b), (c) & (d)	Health & Amenity – Natural Light		
	NSW G5.2	Construction in Bushfire Prone Areas	**NSW 3.7.4.0**	Bushfire Areas
	SA G5.2	Construction in Bushfire Prone Areas	**SA 3.7.4.1**	Bushfire Areas
			QLD 3.7.4.0	Bushfire Areas
			TAS 3.7.4.0	Bushfire Areas
	NSW Section J	Refer to NSW J(A)P1 & J(B)1		
	NT Section J	Replaced by BCA2009 Section J		
	QLD Section J	Replaced by BCA2009 Section J		

SUBJECT TO THE FOLLOWING LIMITATIONS AND CONDITIONS AND THE PRODUCT TECHNICAL DATA IN APPENDIX A AND EVALUATION STATEMENTS IN APPENDIX B

Limitations and conditions:	**Building classification/s:**
Vol 1 - A1.1 and Vol 2 - 1.1.1 – Definitions: Velux Skylights are to be installed at an angle between 0 and 70 degrees measured from the horizontal plane.	**All Building Types**

Vol 1 B1.4 (h) (ii) Velux Skylights with EDW or custom flashing have maximum design wind load limits as published within the relevant technical data sheets.	**2, 3, 4, 5, 6, 7, 8 & 9**
Vol 2 - 3.6.1 – Structure - Glazing FCM Skylights with custom flashing kits, are approved for use in cyclonic wind zones, as defined by the Northern Territory Deemed to Comply Manual, refer to the FCM Skylight technical data sheet for maximum permissible design wind loads. FS, VS, VSE, VSS, VCM, VCE & VCS Skylights and relevant Flashing kits are to be specified only for non-cyclonic wind zones (up to N3 wind regions) and have maximum permissible design wind load limits as published within the relevant technical data sheets.	**1 & 10**
Vol 1 - Spec C1.1 – 3.6 When installed in a roof that is required to have a FRL or where the roof covering is required to be non-combustible, the roof lights, skylights or the like must: (a) have an aggregate area of not more than 20% of the roof surface; and (b) be not less than 3 m from— (i) any boundary of the allotment other than the boundary with a road or public place; and (ii) any part of the building which projects above the roof unless that part has the FRL required of a fire wall and any openings in that part of the wall for 6 m vertically above the rooflight or the like are protected in accordance with C3.4; and (iii) any rooflight or the like in an adjoining sole-occupancy unit if the walls bounding the unit are required to have an FRL; and (iv) any rooflight or the like in an adjoining fire-separated section of the building; and (c) if a ceiling with a resistance to the incipient spread of fire is required, be installed in a way that will maintain the level of protection provided by the ceiling to the roof space.	**2, 3, 4, 5, 6, 7, 8 & 9**
Vol 2 -3.7.1.10 When installed in a roof that is required to have a non-combustible covering, roof lights, skylights or the like must: (a) have an aggregate area not more than 20% of the roof or part of the roof; and (b) be not less than (i) 900 mm from (A) the allotment boundary other than the boundary adjoining a road alignment or other public space; and (B) the vertical projection of a separating wall extending to the underside of the roof covering; and (ii) 1.8 m from any roof light or the like in another building on the allotment other than an appurtenant building or a detached part of the same building.	**1 &10**
Vol 1 - D2.12 – Access & Egress Skylights shall not be placed within 3 metres of an emergency access path when the emergency access path crosses the same roof	**2, 3, 4, 5, 6, 7, 8 & 9**

area.	
Vol 1 – F4.2 & F4.3 & Vol 2 – 3.8.4.2 – Natural Light Compliance requires combined window, roof light and other opening areas to total a minimum percentage of floor area for the room. When solely relying upon roof lights, at least 3% of room floor area is required for Roof Lights, alternately 10% of room floor area for Windows, or a proportional combination of the two.	**All Building Types**
Vol 1 – F4.6 & F4.7 & Vol 2 – 3.8.5.2 – Ventilation Applicable for habitable rooms, offices, shops, factories, workrooms, sanitary compartments, bathrooms, shower rooms, laundries and any other rooms occupied by a person that requires Natural ventilation. Compliance requires combined window, roof light & other opening areas to total a minimum of 5% of the total floor area of the room. When solely relying on roof lights, at least 5% of room floor area is required in Roof Light opening area for natural ventilation.	**All Building Types**
Vol 1 – G5.2 & Vol 2 – 3.7.4.0 Bushfire Construction Velux Skylights with EDW or custom flashing may be installed in buildings in designated bushfire prone areas up to & including BAL40.	**1, 2, 3 & 10**
Vol 1 JP1 & Vol 2 P2.6.1 U_W & $SHGC_W$ values in accordance with energy efficiency & building fabric requirements.	**All Building Types**
Vol 1 NSW JP1 & Vol 2 NSW P2.6.1 U_W & $SHGC_W$ values in accordance with NSW BASIX.	**1, 2, 4 & 10**
Vol 1 NSW J(A)P1 & J(B)1 U_W & $SHGC_W$ values in accordance with energy efficiency requirements.	**3, 5, 6, 7, 8 & 9**
Vol 1 NT & QLD Section J U_W & $SHGC_W$ values in accordance with energy efficiency requirements of BCA 2009 Section J.	**2, 3, 4, 5, 6, 7, 8 & 9**
Vol 2 NT Part 2.6 U_W & $SHGC_W$ values in accordance with building fabric requirements of BCA 2009 Part 2.6.	**1 & 10**
Vol 2 VIC P2.6.1 U_W & $SHGC_W$ values in accordance with building fabric requirements.	**1 & 10**
General Velux Skylights with approved flashing are to be specified in accordance with the document(s) listed in Appendix A3 of this certificate by a suitably qualified building professional.	**All Building Types**
General Velux Skylights with approved flashing are to be installed in accordance with the document(s) listed in Appendix A5 of this certificate	**All Building Types**

	by a suitably qualified building professional.

APPENDIX A – PRODUCT TECHNICAL DATA

A1 Type and intended use of product

See page 1 of this certificate: Type and/or use of product

A2 Description of product

See page 1 of this certificate: Description of product

- Skylights may be installed in orientations between 0 and 70 degrees when measured from the horizontal plane.
- Velux Skylights options are available in a range of standard sizes, as described in Items 1, 2, 3, 4, 5, 6, 7 & 8 as listed in Appendix B2.

A3 Product specification

Refer to items 1, 2, 3, 4, 5, 6, 7 & 8 listed in B2:

1. Velux Product Range 2017
2. Aust FCM Product Sheet 2018
3. Aust FS Product Sheet 2018
4. Aust VS Product Sheet 2018
5. Aust VSE Product Sheet 2018
6. Aust VSS Product Sheet 2018
7. Aust VCM Product Sheet 2018
8. Aust VCS Product Sheet 2018
9. EDW Flashing V22 - 453578-2013-10 – Installation instructions

A4 Manufacturer and manufacturing plant(s)

Velux Australia Pty Ltd
78 Henderson Road
Alexandria NSW 2015
Australia

VELUX Greenwood
450 Old Brickyard Rd Greenwood
South Carolina 29649
USA

A5 Installation requirements

Refer to Velux product installation instructions for FS, VS, VSE, VSS, FCM, VCM, VCE & VCS skylights.

Refer to Velux product installation instructions for EDW Flashing kit – EDW Flashing V22 - 453578-2013-10.

A6 Other relevant technical data

Any referenced documents within the technical literature identified in Appendix A, A3 and Appendix A, A5.

APPENDIX B – EVALUATION STATEMENTS

B1 Evaluation methods

The following assessment methods have been used to determine compliance with NCC 2016:

Code Clause	Assessment Method(s)	Evidence of suitability	Evidence reference in B2
NCC Vol One FP1.4	A0.5 (a)	A2.2 a(iv) – Test report	Items 33, 35, 37, 39, 40 & 41
NCC Vol Two P2.2.2	1.0.5 (a)	1.2.2 a(i) – Test report	Items 33, 35, 37, 39, 40 & 41
NCC Vol One CP2	A0.5 (c)	A2.2 a(v) – Expert report	Item 18
NCC Vol Two P2.3.1	1.0.5 (c)	1.2.2 a(iii) – Expert report	Item 18
NCC Vol One B1.4 (h) (ii)	A0.5 (a)	Combination of A2.2 a(iv) & a(v) – Test report & Engineer certificate	Items 9, 10, 11, 12, 13, 34, 35, 37 & 41
NCC Vol Two 3.6.0 (b)	1.0.5 (a)	Combination of 1.2.2 a(i) & a(iii) – Test report & Engineer certificate	Items 9, 10, 11, 12, 13, 34, 35, 37 & 41
NCC Vol Two 3.11.6 (i)(ii)	1.0.5 (a)	Combination of 1.2.2 a(i) & a(iii) – Test report & Engineer certificate	Items 9, 10, 11, 12, 13, 34, 35, 37 & 41
NCC Vol One Specification B1.2	A0.5 (a)	Combination of A2.2 a(iv) & a(v) – Test report& Engineer certificate	Items 14, 15, 16, 17, 34, 36, 38 & 41
NCC Vol Two 3.10.1.0 (b)	1.0.5 (a)	Combination of 1.2.2 a(i) & a(iii) – Test report& Engineer certificate	Items 14, 15, 16, 17, 34, 36, 38 & 41
NCC Vol Two 3.10.1.0 (e)(ii) & (f)	1.0.5 (a)	Combination of 1.2.2 a(i) & a(iii) – Test report& Engineer certificate	Items 14, 15, 16, 17, 34, 36, 38 & 41
NCC Vol One D2.24	A0.5 (a)	A2.2 a(iv) – Test report	Items 26, 27, 28, 29, 30, 31 & 32
NCC Vol Two 3.9.2.5	1.0.5 (a)	1.2.2 a(i) – Test report	Items 26, 27, 28, 29, 30, 31 & 32
NCC Vol One F4.2	A0.5 (a)	Combination of A2.2 a(vi) & c(ii) – Product Data & Calculation	Items 1, 2, 3, 4, 5, 6, 7 & 8
NCC Vol One F4.3	A0.5 (a)	Combination of A2.2 a(vi) &c(ii) – Product Data & Calculation	Items 1, 2, 3, 4, 5, 6, 7 & 8
NCC Vol Two 3.8.4.2	1.0.5 (a)	Combination of 1.2.2 a(vi) & b(ii) – Product Data & Calculation	Items 1, 2, 3, 4, 5, 6, 7 & 8
NCC Vol One F4.6	A0.5 (a)	Combination of A2.2 a(vi) & c(ii) – Product Data & Calculation	Items 1, 4, 5, 6, 7 & 8
NCC Vol One F4.7	A0.5 (a)	Combination of A2.2 a(vi) &c(ii) – Product Data & Calculation	Items 1, 4, 5, 6, 7 & 8
NCC Vol Two 3.8.5.2	1.0.5 (a)	Combination of 1.2.2 a(vi) & b(ii) – Product Data & Calculation	Items 1, 4, 5, 6, 7 & 8
NCC Vol One G5.2	A0.5 (a)	A2.2 a(iv) – Test report	Items 19, 20, 21, 22, 23, 24 & 25
NCC Vol Two 3.7.4.0	1.0.5 (a)	1.2.2 a(i) – Test report	Items 19, 20, 21, 22, 23, 24 & 25
NCC Vol One J1.4	A0.5 (a)	A2.2 a(iii) – Accredited certificate	Item 42
NCC Vol Two 3.12.1.3	1.0.5 (a)	1.2.2 a(iii) – Accredited certificate	Item 42
NCC Vol One J3.3	A0.5 (a)	A2.2 a(iv) – Test report	Item 43
NCC Vol Two 3.12.3.2	1.0.5 (a)	1.2.2a(i) – Test report	Item 43

B2 Reports

The following reports have been used as evidence to determine compliance with NCC 2016:

Ref	Author	Reference	Date	Description	NATA Registration
1	Velux Australia Pty Ltd	Velux range 2017	Jun-17	List of Velux Skylight, Roof Window & Sun Tube Product Range	–
2	Velux Australia Pty Ltd	Aust FCM Product sheet 2018 web	Jan 18	Product data sheet for FCM Fixed Skylights	–
3	Velux Australia Pty Ltd	Aust FS Product sheet 2018 web	Jan 18	Product data sheet for FS Fixed Skylights	–
4	Velux Australia Pty Ltd	Aust VS Product sheet 2018 web	Jan 18	Product data sheet for VS Manually operated Skylights	–
5	Velux Australia Pty Ltd	Aust VSE Product sheet 2018 web	Jan 18	Product data sheet for VSE Electronically operated Skylights	–
6	Velux Australia Pty Ltd	Aust VSS Product sheet 2018 web	Jan 18	Product data sheet for VSS Solar powered Skylights	–
7	Velux Australia Pty Ltd	Aust VCM Product sheet 2018 web	Jan 18	Product data sheet for VCM Manually operated Skylights	–
8	Velux Australia Pty Ltd	Aust VCS Product sheet web 2018	Jan 18	Product data sheet for VCS Solar powered Skylights	–
9	Calderone & Associates	Form 15	16-Jul-17	Structural Certificate	–
10	Calderone & Associates	-	16-Jul-17	Structural Analysis Report	–
11	GHD Consulting Engineers	33-18220-S001 Rev 1	30-Aug-16	Structural Detail Drawing	–
12	GHD Consulting Engineers	33-18220-S001 Rev 2	26-Jul-17	Structural Detail Drawing	–
13	GHD Consulting Engineers	33-18220-S002 Rev 2	26-Jul-17	Structural Detail Drawing	–
14	GHD Consulting Engineers	NT Sec 40 Cert	26-Jul-17	Structural Certificate	–
15	GHD Consulting Engineers	QLD Form 15 Cert	26-Jul-17	Structural Certificate	–
16	NT Building Advisory Committee	DTCM M/828/01-06	03-Aug-17	Compliance Letter	–
17	GHD Consulting Engineers	M/828/01-06	16-Jun-17	Structural Detail Drawing	–
18	CSIRO	FCO-2046	05-Jun-17	Fire Assessment Report	165
19	Exova Warringtonfire	2391800.2	05-Jan-10	Fire Test Report	3277
20	Exova Warringtonfire	2548902.1	25-Feb-11	Fire Test Report	3277
21	Exova Warringtonfire	2398200.2	05-Jan-10	Fire Test Report	3277
22	Exova Warringtonfire	2398100.3	05-Jan-10	Fire Test Report	3277
23	Exova Warringtonfire	2548900.1	25-Feb-11	Fire Test Report	3277
24	Exova Warringtonfire	31154800.1	15-Jan-15	Fire Test Report	3277
25	Exova Warringtonfire	2686100.2	18-Jul-12	Fire Test Report	3277
26	Ian Bennie & Associates	2014-006-S2	05-May-14	Window Test Certificate	2371
27	Ian Bennie & Associates	2017-016-NCC-S2	13-Jul-17	Window Test Certificate	2371
28	Ian Bennie & Associates	2017-016-POW-S2	13-Jul-17	Window Test Certificate	2371
29	Ian Bennie & Associates	2017-016-NCC-S9	13-Jul-17	Window Test Certificate	2371
30	Ian Bennie & Associates	2017-016-POW-S9	13-Jul-17	Window Test Certificate	2371

B2 Reports cont'd

Ref	Author	Reference	Date	Description	NATA Registration
31	Ian Bennie & Associates	2017-016-NCC-S11	13-Jul-17	Window Test Certificate	2371
32	Ian Bennie & Associates	2017-016-POW-S11	13-Jul-17	Window Test Certificate	2371
33	Ian Bennie & Associates	2009-098-S5	14-Jan-10	Weathertightness & Structural Test Report	2371
34	Ian Bennie & Associates	2009-098-S6	14-Jan-10	Weathertightness & Structural Test Report	2371
35	Ian Bennie & Associates	2009-098-S1	18-Jan-10	Weathertightness & Structural Test Report	2371
36	Ian Bennie & Associates	2009-098-S12	18-Jan-10	Weathertightness & Structural Test Report	2371
37	Ian Bennie & Associates	2009-098-S10	18-Jan-10	Weathertightness & Structural Test Report	2371
38	Ian Bennie & Associates	2009-098-S16	18-Jan-10	Weathertightness & Structural Test Report	2371
39	Ian Bennie & Associates	2015-014-S5	18-Sep-15	Weathertightness & Structural Test Report	2371
40	Ian Bennie & Associates	2015-014-S05	07-Sep-15	Weathertightness & Structural Test Certificate	2371
41	Ian Bennie & Associates	2012-099-S1-2&4	13-Sep-13	Weathertightness & Structural Test Report	2371
42	Australian Windows Association	Velux Window Testing	18-Jul-17	WERS certificate	–
43	Ian Bennie & Associates	2017-016-R1	13-Jul-17	Window Test Report	2371

End of Certificate